



Attorney's Docket No.: 42P16348  
Confirmation No.: 8115

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:	)	
	)	
Steven M. Bennett, et al.	)	Examiner: Not yet assigned
	)	
Application No.: 10/676,887	)	Art Unit: 2127
	)	
Filed: September 30, 2003	)	
	)	
For: MECHANISM TO CONTROL	)	
HARDWARE INTERRUPT	)	
ACKNOWLEDGEMENT IN A	)	
VIRTUAL MACHINE SYSTEM	)	

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Commissioner for Patents  
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Sir:

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to MS: Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on December 15, 2004.  
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If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: December 15, 2004



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Reg. No. 45,750

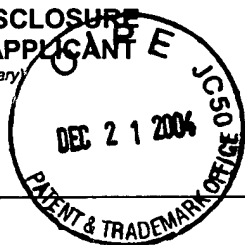
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	10/676,887
Filing Date	September 30, 2003
First Named Inventor	Bennett, Steven
Group Art Unit	2127
Examiner Name	Unknown

Sheet 1 of 4

Attorney Docket No: 42P16348

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	US-20010027511	10/04/2001	Wakabayashi, Masaki, et al.	
	US-20020007456	01/17/2002	Peinado, Marcus, et al.	
	US-20020023032	02/21/2002	Pearson, Siani L., et al.	
	US-20020147916	10/10/2002	Strongin, Geoffrey S., et al.	
	US-20020166061	11/07/2002	Falik, Ohad, et al.	
	US-20020169717	11/14/2002	Challener, David C.	
	US-20030074548	04/17/2003	Cromer, Daryl C., et al.	
	US-20030115453	06/19/2003	Grawrock, David W.	
	US-20030126442	07/03/2003	Glew, Andrew F., et al.	
	US-20030126453	07/03/2003	Glew, Andrew F., et al.	
	US-20030159056	08/21/2003	Cromer, Daryl C., et al.	
	US-20030188179	10/02/2003	Challener, David C., et al.	
	US-20030196085	10/16/2003	Lampson, Butler W., et al.	
	US-20040117539	06/17/2004	Bennett, Steve, et al.	
	US-3,699,532	10/17/1972	Schaffer, Harry G., et al.	
	US-3,996,449	12/07/1976	Attanasio, Clement R., et al.	
	US-4,207,609	06/10/1980	Luiz, Fernando A., et al.	
	US-4,319,233	03/09/1982	Matsuoka, Michihiro, et al.	
	US-4,403,283	09/06/1983	Myntti, Jon N., et al.	
	US-4,419,724	12/06/1983	Branigin, Michael H., et al.	
	US-4,430,709	02/07/1984	Schleupen, Richard, et al.	
	US-4,621,318	11/04/1986	Maeda, A.	
	US-4,802,084	01/31/1989	Ikegaya, Hiroshi, et al.	
	US-4,975,836	12/04/1990	Hirosawa, Toshio, et al.	
	US-5,187,802	02/16/1993	Inoue, Taro, et al.	
	US-5,230,069	02/16/1993	Brelsford, David P., et al.	
	US-5,237,616	08/17/1993	Abraham, Dennis G., et al.	
	US-5,287,363	02/15/1994	Wolf, Paul I., et al.	

**EXAMINER****DATE CONSIDERED**

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<b>Application Number</b>	10/676,887
<b>Filing Date</b>	September 30, 2003
<b>First Named Inventor</b>	Bennett, Steven
<b>Group Art Unit</b>	2127
<b>Examiner Name</b>	Unknown

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Attorney Docket No: 42P16348

	US-5,295,251	03/15/1994	Wakui, Fujio, et al.	
	US-5,361,375	11/01/1994	Ogi, Yoshifumi	
	US-5,469,557	11/21/1995	Salt, Tom, et al.	
	US-5,506,975	04/09/1996	Onodera, Osama	
	US-5,555,385	09/10/1996	Osisek, Damian L.	
	US-5,555,414	09/10/1996	Hough, Roger E., et al.	
	US-5,560,013	09/24/1996	Scalzi, Casper A., et al.	
	US-5,574,936	11/12/1996	Ryba, Edward G., et al.	
	US-5,604,805	02/18/1997	Brands, Stefanus A.	
	US-5,633,929	05/27/1997	Kaliski, Jr., Burton S.	
	US-5,668,971	11/16/1997	Neufeld, E. D.	
	US-5,684,948	11/04/1997	Johnson, James S., et al.	
	US-5,706,469	01/06/1998	Kobayashi, Souichi	
	US-5,740,178	04/14/1998	Jacks, Steven A., et al.	
	US-5,752,046	05/12/1998	Opreescu, Florin, et al.	
	US-5,809,546	09/15/1998	Greenstein, Paul G., et al.	
	US-5,825,880	10/20/1998	Sudia, Frank W., et al.	
	US-5,919,257	07/06/1999	Trostle, Jonathan	
	US-5,935,242	08/10/1999	Madany, Peter W., et al.	
	US-5,935,247	08/10/1999	Pai, Hsin-Ying, et al.	
	US-5,944,821	08/31/1999	Angelo, Michael F.	
	US-5,956,408	09/21/1999	Arnold, Todd W.	
	US-5,978,475	11/02/1999	Schneier, Bruce, et al.	
	US-6,035,374	03/07/2000	Panwar, Ramesh, et al.	
	US-6,044,478	03/28/2000	Green, Daniel W.	
	US-6,088,262	07/11/2000	Nasu, Hiroaki	
	US-6,093,213	07/25/2000	Favor, John G., et al.	
	US-6,108,644	08/22/2000	Goldschlag, David M., et al.	
	US-6,131,166	10/10/2000	Wong-Isley, Becky	
	US-6,175,924	01/16/2001	Arnold, Todd W.	
	US-6,188,257	02/13/2001	Buer, Mark L.	
	US-6,199,152	03/06/2001	Kelly, Edmund J., et al.	
	US-6,275,933	08/14/2001	Fine, Michael, et al.	
	US-6,282,650	08/28/2001	Davis, Derek L.	
	US-6,327,652	12/04/2001	England, Paul, et al.	
	US-6,397,379	05/28/2002	Yates, Jr., John S., et al.	
	US-6,529,909	03/04/2003	Bowman-Amuah, Michel K.	
	US-6,560,627	05/06/2003	McDonald, Michael F., et al.	
	US-6,609,199	08/19/2003	DeTreville, John	
	US-6,615,278	09/02/2003	Curtis, Bryce A.	
	US-6,651,171	11/18/2003	England, Paul, et al.	
	US-6,678,825	01/13/2004	Ellison, Carl M., et al.	
	US-6,684,326	01/27/2004	Cromer, Daryl C., et al.	

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<b>Application Number</b>	10/676,887
<b>Filing Date</b>	September 30, 2003
<b>First Named Inventor</b>	Bennett, Steven
<b>Group Art Unit</b>	2127
<b>Examiner Name</b>	Unknown

Sheet 3 of 4

Attorney Docket No: 42P16348

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
	EP-0602867	06/22/1994	Protheroe, Robert L., et al.		
	EP-EP0892521	01/20/1999	Zamek, Steven		
	EP-EP0961193	12/01/1999	Laczko, Sr., Frank L.		
	EP-EP0965902	12/22/1999	Force, Gordon, et al.		
	EP-EP1055989	11/29/2000	Proudlar, Graeme J., et al.		
	EP-EP1056014	11/29/2000	Proudlar, Graeme J., et al.		
	EP-EP1085396	03/21/2001	Proudlar, Graeme J., et al.		
	EP-EP1209563	05/29/2002	England, Paul, et al.		
	EP-EP1271277	01/02/2003	Behar, Yaachov		
	WO-WO0021238	04/13/2000	Drews, Paul C.		
	WO-WO0163994	08/30/2001	Van Sant, Glen, et al.		
	WO-WO0201794	01/03/2002	Ellison, Carl		
	WO-WO02060121	08/01/2002	Grawrock, David W.		
	WO-WO03058412	07/17/2003	Glew, Andrew, et al.		
	WO-WO9524696	09/14/1995	Mooney, David M., et al.		
	WO-WO9812620	03/26/1998	Nishiuchi, Taiki, et al.		
	WO-WO9918511	04/15/1999	Edrich, David R.		
	WO-WO9965579	12/23/1999	Bond, Eugene T.		

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		COULOURIS, GEORGE, et al., "Distributed Systems, Concepts and Designs", 2nd Edition, (1994), 422-424	
		CRAWFORD, JOHN, "Architecture of the Intel 80386", Proceedings of the IEEE International Conference on Computer Design: VLSI in Computers and Processors (ICCD '86), (October 6, 1986), 155-160	
		FABRY, R.S., "Capability-Based Addressing", Fabry, R.S., "Capability-Based Addressing," Communications of the ACM, Vol. 17, No. 7, (July 1974), 403-412	
		FRIEDER, GIDEON, "The Architecture And Operational Characteristics of the VMX Host Machine", The Architecture And Operational Characteristics of the VMX Host Machine, IEEE, (1982), 9-16	
		HP MOBILE SECURITY OVERVIEW, "HP Mobile Security Overview", (Sept. 2002), 1-10	
		IBM CORPORATION, "IBM ThinkPad T30 Notebooks", IBM Product Specification, located at <a href="http://www-1.ibm.com/services/files/cisco_t30_spec_sheet_070202.pdf">www-1.ibm.com/services/files/cisco_t30_spec_sheet_070202.pdf</a> , last visited June 23, 2004, July 2, 2002), 1-6	
		INTEL, "IA-32 Intel Architecture Software Developer's Manual", Volume 3: System Programming Guide, Intel Corporation - 2003, 13-1 through 13-24	

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<b>Examiner Name</b>	Unknown

Sheet 4 of 4

Attorney Docket No: 42P16348

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

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		INTEL CORPORATION, "IA-64 System Abstraction Layer Specification", <u>Intel Product Specification</u> , Order Number 245359-001, (01/2000), 1-112	
		INTEL CORPORATION, "Intel 82802AB/82802AC Firmware Hub (FWH)", <u>Intel Product Datasheet</u> , Document Number 290658-004, (November 2000), 1-6, 17-28	
		INTEL CORPORATION, "Intel IA-64 Architecture Software Developer's Manual", Volume 2: IA-64 System Architecture, Order Number 245318-001, (01/2000), i, ii, 5.1-5.3, 11.1-11.8, 11.23-11.26	
		MENEZES, ALFRED J., et al., "Handbook of Applied Cryptography", <u>CRC Press Series on Discrete Mathematics and its Applications</u> , Boca Raton, FL, XP002165287, ISBN 0849385237, (Oct. 1996), 403-405, 506-515, 570	
		NANBA, S., et al., "VM/4: ACOS-4 Virtual Machine Architecture", <u>VM/4: ACOS-4 Virtual Machine Architecture</u> , IEEE, (1985), 171-178	
		RSA SECURITY, "Hardware Authenticators", <u>www.rsasecurity.com/node.asp?id=1158</u> , 1-2	
		RSA SECURITY, "RSA SecurID Authenticators", <u>www.rsasecurity.com/products/securid/datasheets/SID_DS_0103.pdf</u> , 1-2	
		RSA SECURITY, "Software Authenticators", <u>www.rsasecurity.com/node.asp?id=1313</u> , 1-2	
		SCHNEIER, BRUCE, "Applied Cryptography: Protocols, Algorithm, and Source Code in C", Wiley, John & Sons, Inc., XP002939871; ISBN 0471117099, (Oct. 1995), 47-52	
		SCHNEIER, BRUCE, "Applied Cryptography: Protocols, Algorithm, and Source Code in C", Wiley, John & Sons, Inc., XP002138607; ISBN 0471117099, (Oct. 1995), 56-65	
		SCHNEIER, BRUCE, "Applied Cryptography: Protocols, Algorithms, and Source Code C", Wiley, John & Sons, Inc., XP002111449; ISBN 0471117099, (Oct. 1995), 169-187	
		SCHNEIER, BRUCE, "Applied Cryptography: Protocols, Algorithms, and Source Code in C", 2nd Edition; Wiley, John & Sons, Inc., XP002251738; ISBN 0471128457, (Nov. 1995), 28-33; 176-177; 216-217; 461-473; 518-522	

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